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CPY - ORIE-N

DC - D15 J01 M25 P43

FS - CPI;GMPI

IC - B09B3/00 ; C02F1/62 ; C09K3/00

MC - D04-A01P D04-B05 J01-D01 M25-B04

PA - (ORIE-N) ORIENTAL GIKEN KOGYO

PN - JP2068192 A 19900307 DW199016 000pp

- JP4074073B B 19921125 DW199251 C02F1/62 005pp

PR - JP19880220555 19880905

XA - C1990-052320

XIC - B09B-003/00 ; C02F-001/62 ; C09K-003/00

XP - N1990-092288

AB - J02068192 A scavenger which is used to remove harmful heavy metals from waste water or industrial waste is a dialkyldithiocarbamate of formula (I). In (I), R is an alkyl gp.; M is Na or NH<sub>4</sub>. The scavenger contains humic acid as a stabiliser. The dialkyldithiocarbamate includes sodium dimethyldithiocarbamate (DDTC), sodium diethyldithiocarbamate, sodium dipropyldithiocarbamate, or sodium dibutyldithiocarbamate.

- USE/ADVANTAGE - The scavenger is used to remove harmful metals such as water-insoluble deposits from waste water or industrial waste. The scavenger can work as a reductant, reducing harmful Cr(6+) to Cr(3+), forming water-insoluble solids with the Cr(3+). The insoluble deposits are solidified with cement (suitably over 14 wt.% w.r.t. 1 kg of polluted soil) and disposed. The humic acid works effectively to exchange the M ions of the scavenger with heavy metal ions. (4pp Dwg.No.0/0)

IW - SCAVENGER REMOVE HARM HEAVY METAL WASTE WATER COMPRISE DI ALKYL DI THIO CARBAMATE DERIVATIVE HUMIC ACID STABILISED

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NC - 001

OPD - 1988-09-05

ORD - 1990-03-07

PAW - (ORIE-N) ORIENTAL GIKEN KOGYO

TI - Scavenger used to remove harmful heavy metals from waste water - comprises a di:alkyl:di:thio:carbamate deriv. with humic acid used as a stabiliser